



Las Vegas Fire & Rescue Fire Prevention Division Information Sheet



Effective Date: February 1, 2011

CLV Ordinance #6124

The items listed are basic information only. Codes are subject to change. Additional requirements may apply.

Flammable Finishes

An operational permit is required to store, handle or use Class I liquids in excess of 5 gallons in a building or in excess of 10 gallons outside of a building. **IFC 105.6.16**

An operational permit is required to store, handle or use Class II or Class IIIA liquids in excess of 25 gallons in a building or in excess of 60 gallons outside a building. **IFC 105.6.16**

An operational permit is required for floor finishing or surfacing operations exceeding 350 ft² using Class I or Class II liquids. **IFC 105.6.17**

An operational permit is required to store, transport on site, dispense, use or handle hazardous materials in excess of the amounts listed in the *International Fire Code* Table 105.6.20. **IFC 105.6.20**

An operational permit is required to conduct a spraying or dipping operation utilizing flammable or combustible liquids or the application of combustible powders. **IFC 105.6.41**

Electrical wiring and equipment in flammable vapor areas shall be of an explosion-proof type approved for use in such hazardous locations. **IFC 1503.2.1.1**

Open flames and spark-producing devices shall not be located in flammable vapor areas and shall not be located within 20 feet of such areas unless separated by a permanent partition. **IFC 1503.2.2**

Smoking shall be prohibited in flammable vapor areas and hazardous materials storage rooms associated with flammable finish processes. "No Smoking" signs shall be conspicuously posted in such areas. **IFC 1503.2.6**

Approved metal waste cans equipped with self-closing lids shall be provided wherever rags or waste are impregnated with finishing material. Such rags and waste shall be deposited therein immediately after being utilized. The contents of waste cans shall be properly disposed of at least once daily and at the end of each shift. **IFC 1503.4.3**

Spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system. Protection shall also extend to exhaust plenums, exhaust ducts and both sides of dry filters when such filters are used. **IFC 1504.4**



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A clear space of not less than 3 feet shall be maintained on all sides of the spray booth. This clear space shall be kept free of any storage or combustible construction. **IFC 1504.3.2.5**

Portable fire extinguishers shall be provided for spraying areas in accordance with the requirements for an extra (high) hazard occupancy. Minimum size shall be 4-A:40B with the travel distance not to exceed 30 feet. **IFC 1504.4.1**

Automatic sprinklers installed in flammable vapor areas shall be protected from the accumulation of residue from spraying operations in an approved manner. Bags used as a protective covering shall be 0.003-inch thick polyethylene or cellophane or shall be thin paper. Automatic sprinklers contaminated by overspray particles shall be replaced with new automatic sprinklers. **IFC 1504.5.2**

Mechanical ventilation shall be kept in operation at all times while spraying operations are being conducted and for a sufficient time thereafter to allow vapors from drying coated articles and finishing material residue to be exhausted. Spraying equipment shall be interlocked with the ventilation of the flammable vapor areas such that spraying operations cannot be conducted unless the ventilation system is in operation. **IFC 1504.7.1**

Air exhausted from spraying operations shall not be recirculated. **IFC 1504.7.2**

Each spray booth and spray room shall have an independent exhaust duct system discharging to the outside. **IFC 1504.7.5**

Air makeup and flammable vapor area exhaust systems shall not be interlocked with the fire alarm system and shall remain in operation during a fire alarm condition. **IFC 1504.8.2**

Limited spraying spaces (surface area to be sprayed shall not exceed 9 ft², and not be of a continuous nature) shall be ventilated at the rate of six complete air changes per hour and wiring within 10 feet of the floor and 20 feet horizontally shall be designed for Class I, Division 2 locations. **IFC 1504.9**

Heating, ventilation and air-conditioning systems shall not be operated during floor resurfacing or refinishing operations or within 4 hours of the application of flammable or combustible liquids. **IFC 1510.2**

The power shall be shut down to all electrical sources of ignition within the flammable vapor area and the operations shall not be conducted while an establishment is open to the public. **IFC 1510.3**

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